

☐ Radio installation for lifeboats complies with FCC and/or international convention (where required)* 46 CFR 199.60
SOLAS 74/78 III/6

- Portable
- Fixed

☐ Lifeboat operational test* 46 CFR 199.45(b)
SOLAS 74/78 III/19
MSM Ch. C2.H.2.b

- Engine operating test
- Cooling water pump
- Ahead and astern test
- Fuel tanks
- Searchlight test (passenger vessels)
- Annual fuel changed
- Extinguishers serviced

* Items tested in conjunction with Abandon Ship Drill.

☐ Davits 46 CFR 160.032
SOLAS 74/78 III/48
MSM Ch. C2.H.2.b

- Foundations
- Moving parts
- Fittings
- Fairleads, cleats, or cruciform bits

☐ Falls (date last renewed or end-for-ended) 46 CFR 199.190(j)
SOLAS 74/78 III/48
MSM Ch. C2.H.8

☐ Lifeboat winches 46 CFR 199.199(i)
SOLAS 74/78 III/19
MSM Ch. C2.H.2.b

- Brakes
- Controls
- Cranks
- Covers
- Limit switches and electrical controls

☐ Lifeboat weight test 46 CFR 199.45(b)
SOLAS 74/78 III/19
MSM Ch. C2.H.2.b

- Light load
- Full load: date _____

Notes: _____

☐ Embarkation aids 46 CFR 199.190(f)
SOLAS 74/78 III/11

- Ladders
- Access
- Spans and lifelines
- Illumination
- Frapping and tricing lines

☐ Liferafts 46 CFR 133.105
SOLAS 74/78 III/19
SOLAS 74/78 III/26
MSM Ch. C2.H.3
46 CFR 133.90
46 CFR 131.130
46 CFR 133.45
46 CFR 131.580

- Hydro release service dates 46 CFR 133.45
46 CFR 131.585

- Weak link 46 CFR 133.130
- Float-free
- Illumination 46 CFR 112.43-11
- Markings 46 CFR 131.865
- Capacities
- Launching devices tested

☐ Lifefloats and inflatable buoyant apparatus 46 CFR 133.105

- Equipment 46 CFR 131.865
- Markings 46 CFR 131.870
- Stowage 46 CFR 133.130
- Weak link
- Float-free
- Sea painter

Notes: _____

- ☐ Lifeboat and rescue boat equipment and stowage (use table below to determine required equipment)

46 CFR 133.175
SOLAS 74/78 III/41

Item Number	Item	International (LB)/ Oceans (RB)		Short International (LB)/ Coastwise (RB)	
		Lifeboat (LB)	Rescue Boat (RB)	Lifeboat (LB)	Rescue Boat (RB)
1	Bailer	1	1	1	1
2	Bilge pump ¹	1		1	
3	Boathook	2	1	2	1
4	Bucket ²	2	1	2	1
5	Can opener	3		3	
6	Compass	1	1	1	1
7	Dipper	1		1	
8	Drinking cup	1		1	
9	Fire extinguisher	1	1	1	1
10	First aid kit	1	1	1	1
11	Fishing kit	1			
12	Flashlight	1	1	1	1
13	Hatchet	2		2	
14	Heaving line	2	2	2	2
15	Jackknife	1		1	
16	Knife ³		1		1
17	Ladder	1	1	1	1
18	Mirror, signalling	1		1	
19	Oars, units ⁴	1	1	1	1
20	Painter	2	1	2	1
21	Provisions (units/persons)	1			
22	Pump ⁵		1		1
23	Radar reflector	1	1	1	1
24	Rainwater collection device	1		1	
25	Repair kit ⁵		1		1
26	Sea anchor	1	1	1	1
27	Searchlight	1	1	1	1
28	Seasickness kit (units/person)	1		1	

Fire Protection Equipment:

NOTE: General maintenance, and test and inspection requirements of firefighting equipment are detailed in 46 CFR 131.590 and 46 CFR 132.350, respectively.

- ☐ Fire control plan 46 CFR 131.945
SOLAS 74/78 II-2/20
- Permanently posted
 - Copy permanently stored in weathertight container outside deckhouse
- ☐ Fire detection systems SOLAS 74/78 II-2/13
SOLAS 74/78 II-2/11.8
SOLAS 74/78 II-2/53
NVIC 7-80
- Smoke / fire alarms
 - Remote pull stations
 - Smoke / flame / heat detectors and sensors 46 CFR 130.470
- ☐ Portable extinguishers 46 CFR 132.210
46 CFR 132.220
SOLAS 74/78 II-2/6
SOLAS 74/78 II-2/21
MSM Ch. C2.I.3
NVIC 7-70&NVIC 13-86
46 CFR 131.835
46 CFR 132.230

Location	Required		On Board	
	Number	Class	Number	Class

- ☐ Semiportable extinguishers 46 CFR 132.210
46 CFR 132.220
SOLAS 74/78 II-2/6
SOLAS 74/78 II-2/21
MSM Ch. C2.I.4
- Bottles weighed annually
 - Bottles hydrostatically tested (every 12 years)
 - Controls, instructions, markings
 - Hose and diffuser
 - Flexible loops tested or replaced (same as bottle)

Notes: _____

Integral Cargo Tanks:

- ☐ Pumps
 - Pumps and controls 33 CFR 155.780
 - Relief valves
 - Piping-valves
- ☐ Cargo piping 46 CFR 56.30
 - Expansion joints 46 CFR 56.35
 - Supports
 - Hoses 33 CFR 155.800
 - Valves 46 CFR 56.20
- ☐ Cargo tank venting 46 CFR 32.55
 - Independent goosenecks
 - Flame screen
 - Closure device
- ☐ Explosion-proof fixtures 46 CFR 111.105
- ☐ Independent tanks, fixed, portable, or marine portable 46 CFR 125.110 46 CFR 125.120
 - Approved marine portable tank 46 CFR Part 64
 - Approved IM portable tank 46 CFR 98.30-2
 - External examination
 - Date of internal examination _____
 - Date of hydrostatic test _____
 - Metal information plate
 - Marking and labeling
 - Saddles; foundation and stowage
 - Piping and valves
 - Relief valves
 - Lifting fittings
 - Securing devices
 - Pump and controls
 - Cargo hose
 - Electrical grounding
 - Firefighting requirements 46 CFR 132.370
 - Authorized cargo
 - Firefighting

Notes: _____

- ☐ Structural fire protection 46 CFR 127.220 SOLAS 74/78 II-2/42
 - Bulkheads
 - Insulation
- ☐ Remote controls to power ventilation marked and tested 46 CFR 111.103-1 46 CFR 129.540 46 CFR 131.896
- ☐ Closures for spaces protected by fixed smothering systems 46 CFR 127.250
- ☐ International shore connection SOLAS 74/78 II-2/19
- ☐ Fire axe 46 CFR 132.360 46 CFR 131.880
 - Markings
 - 1 axe if vessel is < 100 GT
 - 2 axes if vessel is > 100 GT

Pollution Prevention:

NOTE: Guidance for inspecting pollution prevention items is detailed in MSM Volume II, Chapter B6. Vessels inspected under Subchapter L are required to meet 33 CFR Parts 151, 155, and 156.

- ☐ Pollution placard posted 33 CFR 155.450 MSM Ch. B6.D.13
- ☐ MARPOL V placard posted 33 CFR 151.59
- ☐ Person-in-charge designation 33 CFR 155.700
- ☐ Fuel oil containment 33 CFR 155.320
 - Portable
 - Fixed
- ☐ Cargo oil containment
 - Size
 - Scupper closures
 - Drains

Notes: _____

- | | | |
|--------------------------|---|---------------------------------------|
| <input type="checkbox"/> | Watertight doors in subdivision bulkhead tested | 46 CFR 170.270 |
| | <ul style="list-style-type: none"> Local and remote control Alarms Markings | 46 CFR 131.893 |
| <input type="checkbox"/> | Exercise valves and controls | 46 CFR 115.804 |
| | <ul style="list-style-type: none"> Bilge valves Overboard discharge valves Emergency shutoff valves Scupper valves Remote controls Reach rods | |
| <input type="checkbox"/> | Bilge wells, cofferdams, and suctions | 46 CFR 56.50-50 |
| <input type="checkbox"/> | Bulkhead penetrations | 46 CFR 128.230
MSM Ch. B1.E.6 |
| <input type="checkbox"/> | Hull marks | 46 CFR 67.120 |
| | <ul style="list-style-type: none"> Name Hailing port Official number Net tonnage | |
| <input type="checkbox"/> | Draft marks | 46 CFR 131.220 |
| | <ul style="list-style-type: none"> Legible Properly sized Properly spaced | |
| <input type="checkbox"/> | Load line marks | 46 CFR 131.230
ICLL 66 Regs. 4 - 9 |
| | <ul style="list-style-type: none"> Conform to certificate Legible | |
| <input type="checkbox"/> | Cranes in absence of Cargo Gear Certificate | 46 CFR 126.130 |
| | <ul style="list-style-type: none"> Records Safe Working Load markings | |

Notes: _____

Section 4: Machinery Inspection Items

Diesels:

- | | | |
|--------------------------|--|--|
| <input type="checkbox"/> | Propulsion machinery | 46 CFR 58.05
SOLAS 74/78 II-1/27 |
| | <ul style="list-style-type: none"> Safety devices Foundations Guards Propulsion controls | 46 CFR 130.120 |
| <input type="checkbox"/> | Main propulsion diesels | 46 CFR 58.05
46 CFR 58.10
SOLAS 74/78 II-1/27 |
| | <ul style="list-style-type: none"> Fuel lines Air starting lines Exhaust system <ul style="list-style-type: none"> Protective devices Lube oil system Engine protection <ul style="list-style-type: none"> Remote shutdowns Overspeed protection Low lube oil High temperature Crank case Explosion covers | 46 CFR 128.320 |
| <input type="checkbox"/> | Fuel systems | 46 CFR 56.50-65 |
| | <ul style="list-style-type: none"> Service and transfer pumps Remote shutoff valves | |
| <input type="checkbox"/> | Automation | 46 CFR Part 62
SOLAS 74/78 II-1/46-54
MSM Vol. IV Ch. 3.L
NVIC 1-78, Change 1
NVIC 1-69
NVIC 6-84 |
| | <ul style="list-style-type: none"> Reduced manning <ul style="list-style-type: none"> Yes No Approved test procedure Satisfactory test Reviewed logs/records Interviewed personnel | 46 CFR 62.50
46 CFR 62.30-10 |

Notes: _____

- ☐ Accommodations
 - Size 46 CFR 127.280
 - Berthing
 - Seating
 - Ventilation 46 CFR 127.260
 - Lighting and wiring
 - Sanitation 46 CFR 131.515
 - Fire retardant
- ☐ Galley MSM Ch. B1.N.8
 - Equipment
 - Sanitation
 - Ventilation 46 CFR 127.260
- ☐ Means of escape from accommodation, machinery, and other spaces 46 CFR 127.240
SOLAS 74/78 II-2/45
 - Two required (some exceptions)
 - Dead end corridors
 - Absence of locks
- ☐ Gas freeing for repairs MSM Ch. A5.H
 - Current Gas Chemist Certificate for areas as required
 - Date _____
 - Chemist No. _____
- ☐ Liquefied petroleum gases for cooking and heating 46 CFR 129.550
46 CFR 61.15-10
 - Approved type
 - Cylinder
 - Test dates
 - Stowage
 - Safety relief device
 - Regulators
 - Piping and fittings
 - Location

Notes: _____

- ☐ Emergency generator tested 46 CFR 112.25
46 CFR 112.50
SOLAS 74/78 II-1/42-44
 - Starting system
 - Fuel system
 - Overspeed trip (> 110% < 115%)
 - Low oil pressure alarm / shutdown
 - High jacket water temperature alarm
 - Fixed firefighting system shutdown
- ☐ Batteries 46 CFR 129.350
46 CFR 129.356
 - Protection
 - Charger
 - Ventilation
- ☐ Adequate emergency power and lighting 46 CFR 129.440
46 CFR 129.450
MSM Ch. B1.C
 - Tested
- ☐ Internal communications and control system 46 CFR 133.60
 - General alarms 46 CFR 113.25
 - Power supply 46 CFR 129.530
 - Telephones 46 CFR 113.30
 - Fire detection and alarm systems 46 CFR 113.10
 - Steering gear alarm and indicator 46 CFR 113.43
46 CFR 130.110
- ☐ General electrical installation 46 CFR 111.01-1
SOLAS 74/78 II-1/40
46 CFR 129.340
 - Cable / wiring
 - Jury rigs
 - Connection boxes MSM Ch. B1.J.5.h
46 CFR 111.60-17
 - Dead-end cables 46 CFR 111.60-19
 - Splices
 - Grounding 46 CFR 111.05
 - Personnel safeguards 46 CFR 129.370
 - Hazardous locations 46 CFR 129.375
 - Portable electrical equipment 46 CFR 111.105
MSM Vol. IV Ch. 3.C.2.f
MSM Ch. B1.J.5.i

Notes: _____

Section 3: Inspection Items

Navigation Equipment:

- ☐ Navigation publications (as applicable) 46 CFR 130.330
SOLAS 74/78 V/20
 - Current and corrected charts
 - U.S. Coast Pilot
 - Coast Guard Light List
 - Notice to mariners
 - Tide tables
 - Tidal current tables
- ☐ Radar 46 CFR 130.310
SOLAS 74/78 V/12
- ☐ Compasses 46 CFR 130.340
SOLAS 74/78 V/12
 - Lighted magnetic compass
 - Current deviation table
- ☐ Test electronic depth sounding device SOLAS 74/78 V/12
- ☐ Speed and distance indicator SOLAS 74/78 V/12
- ☐ Propulsion shaft tachometer SOLAS 74/78 V/12
- ☐ Radio equipment 33 CFR 26.03
SOLAS 74/78 V/7
SOLAS 74/78 V/12
46 CFR 133.60
NVIC 9-93
 - Radios, RDF, Loran
 - Electronic position fixing device tested
 - GMDSS meets requirements for vessel operating area
- ☐ Internal communications and control system 46 CFR 113.30
46 CFR 113.35
46 CFR 113.50
 - EOT failure alarms
 - Telephones
 - Voice tubes
 - Emergency loudspeaker system
 - Public address system
 - Pilothouse controls

Notes: _____

- ☐ Safety valves 46 CFR 52.01-120
MSM Vol. IV Ch. 3.I.2.c
46 CFR 56.50-25
 - Escape pipes
 - Drains

Boiler	Date Set and Sealed	Pressure Setting

- ☐ Fusible plugs 46 CFR 52.01-50
46 CFR Table 61.05-10
MSM Vol. IV Ch. 3.I.3.b
 - Examined
 - Renewed at this inspection
- ☐ Boiler repairs in accordance 46 CFR Part 59
- ☐ Low pressure heating boilers 46 CFR 53.01
 - Safety or relief valves 46 CFR 53.05
 - Gauges
 - Thermometers
 - Automatic controls 46 CFR 53.12
 - Bottom blow off
 - Water level indicator
 - Connections
 - Refractory
- ☐ Periodic test and inspection of low pressure heating boilers in accordance with 46 CFR Table 61.05-10

Boiler Number	Date Hydrostatically Tested	Fireside	Waterside	External

Notes: _____

Certificates:

- | | |
|--|--|
| <input type="checkbox"/> COI posted | 46 CFR 126.220
46 CFR 126.240 |
| • All pages visible | |
| • Number of offshore workers | 46 CFR 126.170 |
| <input type="checkbox"/> Stability letter posted | 46 CFR 131.930
ICLL Reg. 10(2) |
| <input type="checkbox"/> Waste management plan
(oceangoing vessels ≥ 40 feet) | 33 CFR 151.57 |
| <input type="checkbox"/> Annual drug and alcohol program audit | 46 CFR Part 16 |
| <input type="checkbox"/> Officers' licenses current | |
| <input type="checkbox"/> GMDSS endorsement | 47 CFR Part 80 |
| FCC Station License | |
| Safety Radio Certificate | |
| <input type="checkbox"/> GMDSS maintenance personnel | 47 CFR 80.1074 |
| 1 st Class Radiotelegraph Operator's Certificate | |
| 2nd Class Radiotelegraph Operator's Certificate | |
| 3rd Class Radiotelegraph Operator's Certificate | |
| <input type="checkbox"/> Required international safety convention
certificates posted and valid | |
| <input type="checkbox"/> Liferaft servicing certificates | 46 CFR 160.151-57(p)
46 CFR 131.580
SOLAS 74/78 III/19.8 |
| • Annual service | |

Logs and Manuals:

- | | |
|--|----------------|
| <input type="checkbox"/> Bridge logbook | 46 CFR 131.620 |
| • Casualties (navigation equipment and steering
gear failures reported) | 46 CFR 131.110 |
| • Steering gear test | 46 CFR 131.505 |
| • Communications | |
| • Draft / load lines | 46 CFR 131.510 |
| • Stability | 46 CFR 131.513 |
| • Sanitary accommodations | 46 CFR 131.515 |
| • Watertight fittings | 46 CFR 131.520 |
| • Emergency lights / power | 46 CFR 131.525 |
| • Fire and lifeboat drills | 46 CFR 131.530 |

Notes: _____

Marine Sanitation Devices:

NOTE: Guidance for inspecting marine sanitation devices is detailed in MSM Volume II, Chapter C2.K. Vessels inspected under Subchapter L are required to meet 33 CFR Part 159.

- | | |
|--|--|
| <input type="checkbox"/> Marine sanitation device | 33 CFR 159.55
MSM Ch. B6.F |
| Type I | |
| Type II | |
| Type III | |
| <input type="checkbox"/> Certified for inspected vessels | MSM Ch. B6.F.4 |
| <input type="checkbox"/> Capacity satisfactory | MSM Ch. C2.K.7.d |
| <input type="checkbox"/> Installation | 33 CFR 159.57
MSM Vol. IV Ch. 3.K.1 |
| • Operation | |
| • Ventilation | |
| • Wiring and piping | |
| • Maintenance | |
| • Placard posted | 33 CFR 159.59 |
| • Safety | |
| • Accessibility to parts requiring routine servicing | |
| • Manufacturer's instructions available | |

Notes: _____

Section 2: Certificates and Documents

Name of Certificate	Issuing Agency	ID #	Port Issued	Issue Date	Exp. Date	Endors. Date
Certificate of Documentation No Change	USCG					
Classification Document No Change						
Certificate of Financial Responsibility (COFR) No Change	USCG					
Safety Construction (SLC) No Change						
Safety Equipment (SLE) No Change	USCG					
Safety Radio (SLT) No Change						
Passenger Ship Safety (PSS) No Change	USCG					
International Load Line (ILL) No Change						

☐ **Abandon Ship Drill:**

General alarms / signals

Familiarity with duties

Boat release

Muster lists

Provide equipment

Boat operation

Muster of crew / passengers

Familiarity with equipment

Egress procedures

Crew response

Lower lifeboat

Davit-launched liferaft drill

Language understood by crew

Brake operation

Communication w/ bridge

Lifejackets

Engine start

Lighting

(SOLAS 74/78 III/18.3; MSM Vol. II/D5.C.7.h)

Location: _____ Time to Water: _____

Notes: _____

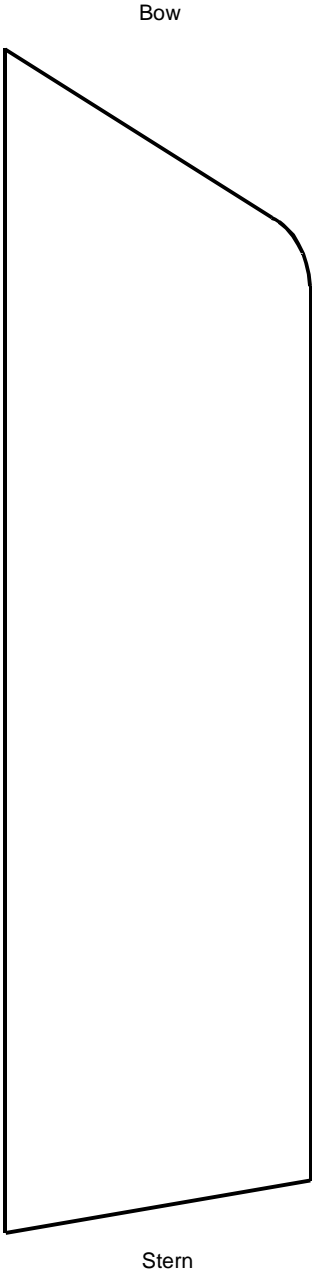
Involved Parties & General Information:

Vessel's Representatives

Phone Numbers

Owner
No Change

Operator—Listed on DOC (if applicable), or COFR
No Change



Section 1: Administrative Items

Section 2: Certificates and Documents

Section 3: Hull Inspection Items

Section 4: Machinery Inspection Items

Section 5: Drills

Section 6: Appendices

Name of Vessel

VIN

Deficiency

MSIS
Code**Req't. Issued /
Date Completed**

Total Time Spent Per Activity:

Regular Personnel (Active Duty)			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Reserve Personnel			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Auxiliary Resources	
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS

Conversions:

Distance and Energy				
Kilowatts (kW)	X	1.341	=	Horsepower (hp)
Feet (ft)	X	3.281	=	Meters (m)
Long Ton (LT)	X	.98421	=	Metric Ton (t)
Liquid (NOTE: Values are approximate.)				
Liquid	bbl/LT	m ³ /t	bbl/m ³	bbl/t
Freshwater	6.40	1.00	6.29	6.29
Saltwater	6.24	.975	6.13	5.98
Heavy Oil	6.77	1.06	6.66	7.06
DFM	6.60	1.19	7.48	8.91
Lube Oil	7.66	1.20	7.54	9.05
Weight				
1 Long Ton	=	2240 lbs	1 Metric Ton	= 2204 lbs
1 Short Ton	=	2000 lbs	1 Cubic Foot	= 7.48 gal
1 Barrel (oil)	=	5.61 ft = 42 gal = 6.29 m ³	1 psi	= .06895 Bar = 2.3106 ft of water
Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32))				
0	=	-17.8	80	= 26.7
32	=	0	90	= 32.2
40	=	4.4	100	= 37.8
50	=	10.0	110	= 43.3
60	=	15.6	120	= 48.9
70	=	21.1	150	= 65.6
200	=	93.3	250	= 121.1
300	=	148.9	400	= 204.4
500	=	260	1000	= 537.8
Pressure: Bars = Pounds per square inch				
1 Bar	=	14.5 psi	5 Bars	= 72.5 psi
2 bars	=	29.0 psi	6 Bars	= 87.0 psi
3 Bars	=	43.5 psi	7 Bars	= 101.5 psi
4 Bars	=	58.0 psi	8 Bars	= 116.0 psi
9 Bars	=	130.5 psi	10 Bars	= 145.0 psi